

L 10262-63

EWI(d)/BDS--AFFTC/ASD
ACCESSION NR: AF3000560

AUTHOR: Ryakishov, G. Ya.

8/0109/63/008/005/0791/0799

8 5/ 50
TITLE: Theory of detecting radio-frequency signals by the virtual cathode in the reflection space

SOURCE: Radiotekhnika i elektronika, v. 8, no. 5, 1963, 791-799

TOPIC TAGS: reflex klystron, detection with reflex klystron

ABSTRACT: In a previous article by A. I. Kostenko et.al. (Radiotekhnika i elektronika, 1959, 4, 3, 482), it was experimentally shown that r-f signals can be detected by the virtual cathode in the reflection space of a reflex klystron. The maximum detection was observed near the vanishing point of the virtual cathode. A mathematical theory of this phenomenon is offered in the article, the limiting assumption being that the signal duration considerably exceeds the electron transit time in the reflection space. The effect of detector operating conditions on detector current, which was observed experimentally, is explained in qualitative terms. Orig. art. has: 26 equations and 3 figures.

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L 10262-63

ACCESSION NR: AP3000560

ASSOCIATION: Fizicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta im.
M. V. Lomonosova (Physics Department, Moscow State University)

SUBMITTED: 21May62

DATE ACQD: 30May63

ENCL: 00

SUB CODE: C0

NO REF SOV: 003

OTHER: 000

ja/hh
Card 2/2

BUKHOVTSEV, B.B.; KERZHENTSEV, V.V.; MYAKISHEV, G.Ya.

The 24th Physics Olympiad of 1963 held by the Physics Faculty
of the Moscow State University. Fiz. v shkole 23 no.5:86-90
S-0 '63. (MIRA 17:1)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

BUKHOVTSEV, Boris Borisovich; KRIVCHENKOV, Vladimir Dmitriyevich;
MYAKISHEV, Gennadiy Yakovlevich; SHAL'NOV, Vladimir
Petrovich; NOVODVORSKAYA, Ye.M., red.; RAYSKAYA, N.A., red.

[Problems in elementary physics; textbook for self-
education] Sbornik zadach po elementarnoi fizike; posobie
dlia samoobrazovaniia. Moskva, Izd-vo "Nauka," 1964. 438 p.
(MIRA 17:7)

KOP'EV, S.F. PROF. GUSEV, YU. L.
MYAKISHEV, I.S.

Moscow - Heating from Central Stations

Rational systems for district heat supply of the city. Gor. khoz. Mosk. 26, no. 9, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952 UNCLASSIFIED.

MYAKISHEV, I.S.

MYAKISHEV I.S. kandidat tekhnicheskikh nauk.

Theoretical principles of the process of thawing in frozen ground.
Trudy Stroi.inst. Mosgorispolkoma no.4:133-143 '53. (MLRA 8:3)
(Frozen ground)

24393

S/186/60/002/002/007/022
E071/E433

21.4200

AUTHORS: Klokman, V.R., Myakishev, K.G. and Smirnov, V.S.

TITLE: A study of the influence of the formation of complexes in the molten state on the coefficient of crystallization in the systems $PbCl_2-ThXCl_2-KCl$ and $CaCl_2-CdCl_2-KCl$

PERIODICAL: Radiokhimiya, 1960, Vol.2, No.2, pp.175-182

TEXT: In previous works on the influence of the nature of solvents on the coefficient of crystallization of radium in nitrate and chloride systems, the authors expressed a supposition (Ref.2: Radiokhimiya, 1, 1, 26 (1959)) that in melts, as in solutions, the formation of complex ions of a macrocomponent in the liquid phase should lead to an increase in the coefficient of crystallization of a microcomponent. In order to confirm this supposition it was necessary to investigate systems in which the existence of complex ions in the liquid state was proved by other methods. For this purpose the authors chose two systems $PbCl_2-KCl$ and $CaCl_2-KCl$. A review is given of literature on the dependence of physico-chemical properties on the composition of melts of the above two systems, proving the existence of complex compounds. In the present work the coefficients of crystallization (D) of $ThXCl_2$ in Card 1/4

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A study of the influence.

the system $PbCl_2-KCl$ and $CdCl_2$ in the system $CaCl_2-KCl$, at various temperatures and compositions of the liquid phase were determined in order to prove the dependence of D on the presence of a complex compound of the macrocomponent in the melt. Specially purified starting salts ($PbCl_2$, KCl , $CaCl_2$) and radium isotope ThX and radioactive $Cd115$ (the purity of which was checked by the decay curves) were taken for the experiments. The experimental procedure was described earlier (Ref.2 and Ref.4: Radiokhimiya, 1, 5, 514 (1959)). The coefficient of crystallization of radium was determined at 430 and 450°C with the composition of melts 80 and 85 mole % of $PbCl_2$ respectively. It was found that at a constant temperature and composition of the melt, the coefficient of crystallization D is independent of the amount of separated solid phase. With decreasing temperature and correspondingly with increasing content of potassium chloride in the liquid phase, the coefficient of crystallization increases from 0.93 at 450°C to 1.31 at 430°C, i.e. with a change in the temperature of 20°C the value of the coefficient changed by 40%. The determination of the coefficient of crystallization of cadmium chloride was done at 650, 667 and 685°C. Blank experiments were

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carried out in order to correct for the volatilization of CdCl_2 . At a constant temperature and composition of the melt the crystallization coefficient of CdCl_2 is independent of the amount of the precipitated solid phase. With decreasing temperature, i.e. with increasing content of potassium chloride in the solid phase, the coefficient of crystallization increases from 0.30 at 685°C to 0.39 at 650°C , i.e. by 30% for 35°C . The authors also attempted to determine the coefficient of crystallization of KCdCl_3 in the system $\text{KCaCl}_3\text{-KCl}$ at temperatures 663 and 717°C . The coprecipitation of the cadmium compound with the corresponding calcium compound was not observed. The absence of cocrystallization of KCdCl_3 with KCaCl_3 could be explained either by the fact that the above two compounds are not isomorphic or that at the experimental temperature, which was about 270°C above the melting temperature of KCdCl_3 , the latter was completely decomposed. However, the possibility that the cocrystallization had occurred, but the coefficient of crystallization was so small that it was beyond the limit of the accuracy of measuring methods used, is not excluded. It is concluded that on the basis of the above results

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on the distribution of ThXCl_2 and CdCl_2 between the melt and crystals of PbCl_2 and CaCl_2 respectively, it was demonstrated that in the same way as for solutions, the formation of a complex compound of a macrocomponent in the liquid phase leads to an increase in the value of the coefficient of crystallization. There are 2 figures, 5 tables and 26 references: 18 Soviet-bloc and 8 non-Soviet-bloc. Four of the references to English language publications read as follows: H.Bloom and E.Heymann, Proc.Roy.Soc., A, 188, 392 (1947); F.Duke and R.Fleming, J.Electrochem.Soc., 106, 2, 130 (1959); B.Harrap and E.Heymann, Trans.Far.Soc., 51, 2, 268 (1955); N.Boardman, F.Dorman and E.Heymann, J.Phys.Chem., 375 (1949).

SUBMITTED: June 24, 1959

Card 4/4

KLOKMAN, V.R.; MEL'NIKOVA, A.A.; MYAKISHEV, K.G.; SMIRNOV, V.S.

Effect of complex formation in the melt on the crystallization
coefficient of rubidium chloride in the systems KCl - LiCl, KCl -
BaCl₂, KCl - CaCl₂. Radiokhimiia 2 no.4:386-392 '60.

(Rubidium chloride) (Crystallization) (Chlorides) (MIRA13:9)

KLOKMAN, V.R.; MYAKISHEV, K.G.; SMIRNOV, V.S.

Effect of complex formation in the melt on the crystallization
coefficient in the systems $PbCl_2 - ThXCl_2 - KCl$ and $CaCl_2 - CdCl_2 -$
 KCl . Radiokhimiia 2 no.6:175-182 '60. (MIRA 14:4)
(Systems (Chemistry))
(Crystallization)

MYAKISHEV, K.G.; KLOKMAN, V.R.

Formation of anomalous mixed crystals of CaF_2 - CeF_3 and CaF_2
 YF_3 during the crystallization of calcium fluoride from a melt.
Radiokhimiia 5 no.4:401-411 '63. (MIRA 16:10)

(Calcium fluoride) (Rare earth fluorides)
(Crystallization)

MYAKISHEV, K.G.; KLOKMAN, V.R.

Effect of a gaseous medium on the coprecipitation of cerium and
yttrium with CaF_2 crystallizing from a melt of the binary system
 $\text{CaF}_2 - \text{NaF}$. Radiokhimiia 5 no.5:527-536 '63. (MIRA 17:3)

ACCESSION NR: AP4009945

S/0186/63/005/006/0649/0655

AUTHORS: Myakishev, K.G.; Klokman, V.R.

TITLE: Influence of the flux nature on the formation of abnormal mixed CaF sub 2-CeF sub 3 and CeF sub 3-YF sub 3 crystals

SOURCE: Radiokhimiya, v. 5, no. 6, 1963, 649-655

TOPIC TAGS: mixed crystals, calcium fluoride, cerium fluoride, yttrium fluoride, calcium chloride, lithium fluoride

ABSTRACT: The present article is a development of earlier work by Klokman et al. (ZhNKh, 3, 1, 33 (1958), Radiokhimiya 2, 5, 521 (1961), ibid. 2, 2, 175 (1960), ibid. 1, 3, 241 (1959) treating the same subject as applied to other similar compounds. The new series of tests substituting LiF for NaF in the binary melt with CaF₂ showed no substantial change in the crystallization coefficients with respect to time and temperature. On the other hand, substitution of CaCl₂ for NaF showed a marked difference in this respect.

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ACCESSION NR: AP4009945

The following conclusions are made. In a CaF_2 - CaCl_2 system, unlike the purely fluoride systems CaF_2 - NaF and CaF_2 - LiF , the distribution of Ce and Y fluorides follows Khlopkin's law, i.e., crystallization coefficient D remains constant independently of the amount of solid phase formed, of experimental conditions and time. The distribution of Ce and Y fluorides among the CF_2 melt and crystals in a CaF_2 - CaCl_2 system is uninfluenced by gas environment because of poor gas solubility in the melt of this system. Rising crystallization coefficients of Ce and Y fluorides in CaF_2 - CaCl_2 at decreasing temperatures can be explained by the attenuated activity of macrocomponent ions because of decreasing dissociation of the complex CaF_2 - CaCl_2 compound. The general rule is formulated that crystallization coefficient D remains unchanged despite changes in the liquid phase if the concentration ratio of active macro- and microcomponent ions is unchanged. On the other hand, if a change in the liquid phase results in decreased activity of macrocomponent ions - then D increases; conversely, D decreases if the activity of microcomponent ions decreases. Orig. art. has 2 figures, no formulas, 5 tables.

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MYAKISHEV, K.G.; KLOKMAN, V.R.

Effect of the nature of the fluorine agent on the formation of
anomalous mixed crystals $\text{CaF}_2 - \text{CaF}_2$ and $\text{CaF}_2 - \text{YF}_3$.
Radiokhimiia 5 no. 6:649-655 1963. (KIRA 17:7)

MYAKISHEV, L.

What hinders the use of easily manageable reinforced concrete
props. Mast.ugl.4 no.9:27-28 S'55. (MLRA 9:1)

1. Inshener tresta Pervomayskugol' Voroshilovgradskoy oblasti
(Voroshilovgrad Province--Mine timbering)

MYAKISHEV, M.

Some results of the activities of the permanent commission concerning
the quality of work carried out by the Moscow Building Trust No.1.

Na stroi. Mosk. 2 no.5:4 My '59.

(MIRA 13:1)

1. Zamestitel' glavnogo inzhenera tresta Mosstroy No.1.
(Moscow--Building inspection)

STAVITSKY, V. A.

STAVITSKY, V. A. -- "Physical basis of the machinability of High-Alloyed Steels by Drilling." In: 11 Jan 62, Department of Machine Building, Institute of Machine Building, (Dissertation for the Degree of Candidate in Technical Science).

in: Vechnaya knizhka, January-December 1962

MYAKISHEV, M. A.

25(1)

PHASE I BOOK EXPLOITATION

SOV/1301

Krivoukhov, Vasil'y Aleksandrovich, Boris Yefimovich Brushteyn, Sergey Vasil'yevich Yegorov, Arkadiy Grigor'yevich Chervyakov, Nikolay Alekseyevich Chelobov (Deceased), Mikhail Antonovich Myakishev, Vladimir Georgiyevich Bovin, Petr Grigor'yevich Petrukha, and Petr Dmitriyevich Bepakhotnyy

Obrabotka metallov rezaniyem (Metal Cutting) Moscow, Oborongiz, 1958. 627 p. 20,000 copies printed.

Reviewer: Klushin, M.I.; Ed. (Title page): Krivoukhov, V.A.; Ed. (Inside book): Arshinov, V.A., Candidate of Technical Sciences, Docent; Ed. of Publishing House: Suvorova, I.A.; Tech. Ed.: Rozhin, V.P.; Managing Ed.: Sokolov, A.I., Engineer.

PURPOSE: This textbook is for aeronautical vuzes giving a course on metal cutting.

COVERAGE: The book discusses in a concise form the physical fundamentals of metal-cutting processes using various types of tools and emphasizing the special features required for the aviation industry. A description and the basic designs of standard metal-cut-

MYAKISHEV, M A
25(1)

PHASE I BOOK EXPLOITATION SOV/2567

Chelobov, Nikolay Alekseyevich [Deceased]; Petr Grigor'yevich
Petrukha; Vladimir Georgiyevich Bovin; Mikhail Antonovich
Myakishev; and Tat'yana L'vovna Buyanova

Rukovodstvo k laboratornym rabotam po kursu "Metallorazhishchiye
stanki" (Laboratory Manual for the Course in "Metal-cutting
Machine Tools") Moscow, Oborongiz, 1959. 142 p. (Series:
Moscow. Aviatzionnyy institut imeni Sergo Ordzhonikidze)
Errata slip inserted. 16,000 copies printed.

Ed. of Publishing House: I.A. Suvorova; Tech. Ed.: V.P. Rozhin.

PURPOSE: This book is intended for students of all specialties at
the Moscow Order of Lenin Aviation Institute imeni Sergo Ord-
zhonikidze as an aid to laboratory work.

COVERAGE: This book contains a description of laboratory work
for the course entitled "Metal-cutting Machine Tools" under the
department of "Machining, Machine Tools and Instruments."

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SOV/2567

Laboratory Manual (Cont.)

of Principal Motion and the Power Required for Idle Running of a Lathe	30
6. Turret Lathe Type 1336M	38
7. Automatic Turret Lathe Type 1112	44
8. Vertical Drilling Machine Type 2A150	52
9. Console Universal Milling Machine Type 6 H82 and the Dividing Head	58
10. Transversal Planning Machines Type 737	77
11. Regulation of Gear-cutting Machines Type 532	85
12. Regulation of Gear-cutting Machines Type 5A12	99
13. Regulation of Gear-cutting Machines Type 526	108

Card 3/4

PETRUKHA, P.G.; BOVIN, V.G.; RYAKISHEV, M.A.; RYABTSEVA, I.L., red.;
BARANOVSKAYA, K.P., tekhn. red.

[Machine tools; purpose and performance, kinematic and
hydraulic systems, adjustment and basic data] Metallore-
zhushchie stanki; naznachenie i metody raboty, kinematiches-
kie i gidravlicheskie skhemy, nastroyka i osnovnye dannye.
Moskva, Mosk. aviatsionnyi in-t im. Sergo Ordzhonikidze,
1962. 106 p. (MIRA 16:12)
(Machine tools--Design and construction)

LISTOV, P.N., prof., doktor tekhn.nauk; ~~WAKISHEV, N.F.~~, aspirant

Using high-frequency electric motors for hand-operated tools
in vegetable gardening. Izv. TSKhA no.4:157-172 '58.
(MIRA 11:10)

(Electric motors) (Electricity in agriculture)

MYAKISHEV, N.F., inzh.

Selection of the current frequency for electric drive for
working parts of mobile machines. Mekh. i elek. sots. sel'khoz.
19 no.6:41-44 '61. (MIRA 14:12)

1. Moskovskaya sel'skokhozyaystvennaya akademiya imeni K.A.
Timiryazeva.
(Agricultural machinery--Electric driving)

MYAKISHEV, N.F., inzh.

Frequency of electric current for the electric drive of the working parts of machines, small-scale mechanization equipment, hand tools and implements [with summary in English]. Izv. TSKHA no.1:173-180 '62.

(MIRA 15:6)

(Agricultural machinery--Electric driving)

POGADAYEVA, T.M.; ARGUNOV, Ye.I.; MYAKISHEV, V.K.

Developing and testing automatic control apparatuses for
determining moisture in asbestos ores after drying. Trudy
NIIasbest no.2:117-126 '62. (MIRA 16:12)

MYAKISHEV, V.L., inzh.

Use of electronic digital computers to solve some problems in mining technology. Izv.vys.ucheb.zav.; gor.zhur. 5 no.9:114-119 '62.
(MIRA 15:11)

1. Sverdlovskiy gornyy institut imeni V.V.Vakhrusheva. Rekomendovana kafedroy avtomatizatsii proizvodstvennykh protsessov.
(Mining machinery) (Electronic digital computers)

16(1)

AUTHORS: Likhtarnikov, L.M., Myakishev, V.P. SOV/20-127-3-9/71

TITLE: The Solution of a Certain Class of Partial Integro-Differential Equations by the Fourier Method

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 127, Nr 3, pp 516-519 (USSR)

ABSTRACT: The authors propose a Fourier method for the solution of the equation

$$L[u] = f(x, t) + \int\limits_{(D)} k(x, t; z, \tau) M[u] dz d\tau$$

where $L[u]$ and $M[u]$ are linear differential operators of second and first order and $L[u]$ is hyperbolic.
I.G. Petrovskiy and M.I. Razovskiy are mentioned in the paper.
There are 2 Soviet refernces.

ASSOCIATION: Irkutskiy gosudarstvennyy universitet imeni A.A. Zhdanova (Irkutsk State University imeni A.A. Zhdanov)

PRESENTED: April 8, 1959, by S.L. Sobolev, Academician

SUBMITTED: March 13, 1959

Card 1/1

37610
S/044/62/000/004/051/099
C111/C333

AUTHORS:

TITLE:

Likhtarnikov, L.M., Myakishev, V.P.
The solution of integro-differential equations of parabolic type with partial derivatives according to the Fourier method

PERIODICAL: Referativnyi zhurnal, Matematika, no. 4, 1962, 58, abstract 4B266. ("Uch. zap. Irkutskogo gos. ped. in-ta", 1960, no. 17, 168-177)

TEXT:

In the rectangle D , $a \leq x \leq b$, $0 \leq t \leq t_0$, the authors determine, according to the Fourier method, the solution of the integro-differential equation

$$A(t) \frac{\partial u}{\partial t} + B(x) \frac{\partial^2 u}{\partial x^2} + C(x) \frac{\partial u}{\partial x} + [D(x) + E(t)] u = f(x, t) +$$

$$+ \lambda \int\limits_{(D)} k(x, t, z, \sigma) \left[a(z, \sigma) \frac{\partial u}{\partial z} + b(z, \sigma) \frac{\partial u}{\partial \sigma} + c(z, \sigma) u \right] dz d\sigma.$$

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The solution of integro-differential ... S/044/62/000/004/051/099
C111/C333

which satisfies the conditions $u|_{t=0} = \varphi(x)$; $\alpha_1 u + \alpha_2 \frac{\partial u}{\partial x}|_{x=a} = \beta_1 u + \beta_2 \frac{\partial u}{\partial x}|_{x=b} = 0$. It is assumed that uniformly convergent series expansions

$$h(x, t, z, v) = \sum_{n=1}^{\infty} c_n(t, z, v) X_n(x),$$

$$f(x, t) = \sum_{n=1}^{\infty} \delta_n(t) X_n(x), \quad \varphi(x) = \sum_{n=1}^{\infty} \omega_n X_n(x),$$

are valid, and that these series can be differentiated term by term twice with respect to x and once with respect to t ; the differentiated series converge uniformly. Here $X_n(x)$ are the eigenfunctions of the boundary value problem to which the Fourier method is leading.

[Abstracter's note : Complete translation.]

Card 2/2

MYAKISHEV, V.P.

Distribution of primitive integral points on certain cones.
Dokl. AN SSSR 143 no.4:785-786 Ap '62. (MIRA 15:3)

1. Predstavleno akademikom I.M.Vinogradovym.
(Numbers, Theory of) (Cone)

MYAKISHEV, V.

Diophantine equations of the third degree. Dokl. AN SSSR 148
no.5:1020-1021 F '63. (MIRA 16:3)

1. Matematicheskiy institut im. V.A.Steklova AN SSSR. Predstavleno
akademikom I.M.Vinogradovym.
(Diophantine analysis)

PROSVIRIN, V.I., doktor tekhnicheskikh nauk, professor; FEDOSOV, A.I.,
inzhener; MYAKISHEV, Yu.S., inzhener.

Aluminum impregnation of austenite-steel gas-turbine blades.
Metalloved. i obr.met. no.4:50-56 Ap '56. (MLBA 9:8)

1. Tsentral'nyy nauchno-issledovatel'skiy institut tekhnologii i
mashinostroyeniya.

(Gas turbines--Blades) (Metal cladding) (Aluminum)

USSR/Microbiology. Hemagglutinating Bacteria. Brucellae

P-5

Abstr Jour : Ref Zhur - Biol., 1977, No 2472

Author : Myakishcheva A.M., Loshakov A.M.

Inst : State Scientific-Central Institute of Veterinary Preparations

Title : On Questions of Preparation of Brucellous Agglutinating
Serum from Lysate Culture.

Orig Pub : Tr. Gos. nauchno-kontrol'n. in-ta vet. preparatov, 1977, 7,
71-74

Abstract : No abstract

Cards : 1/1

USAR, Microbiology. Home Journal of the American Bacteriologists. Brucella

Page

As Jour : Am Jour - Biol., 1957, No 62450

Author : W. K. H. H. H. H. H.

Title : At to Scientific-Central Institute of Veterinary Laboratories

Title : Questions on the Activity of Brucella Antigen on Guinea
Pigs.

Orig. Pub : Tr. Gos. Nauchno-Issled. Inst. Vet. Meditsiny, 1957, 7,
10-15

Abstract : No abstract

Card : 1/1

45

PEREVOSHCHIKOVA, A.I., professor; KOROTKOVA, K.V., kandidat meditsinskikh nauk; MYAKISHOVA, L.S.

Interaction of rickets and pneumonia in young children. Sov.med. 20
no.8:30-34 Ag '56. (MLRA 9:10)

1. Iz kliniki detskikh bolezney Izhevskogo meditsinskogo instituta
(dir. - dotsent I.V.Olyunin)

(RICKETS, compl.

pneumonia, manual exacerbation of both cond. in child.)

(PNEUMONIA, etiol. and pathogen.

rickets, mutual exacerbation of both cond. in child.)

MYAKISHEVA, L. S., Cand Med Sci -- (diss) "Development of rachitis under the influence of pneumonia and dysentery." Leningrad, 1960. 8 pp; (Leningrad Pediatrical Medical Inst); 250 copies; price not given; (KL, 17-60, 171)

MYAKISHEVA, L.S.

Blood protein and protein fractions in acute gastrointestinal diseases in very young children. Trudy Izhev.gos.med.inst. 21: 136-140 '64.

(MIRA 19:1)

1. Kafedra detskikh bolezney (zav. - prof.A.I.Perevoshchikova)
Izhevskogo meditsinskogo instituta.

ACC NR: AT6033364

SOURCE CODE: UR/3118/66/000/009/0003/0017

AUTHOR: Bagrov, N. A.; Myakisheva, N. N.

ORG: none

TITLE: Some anomalies of average monthly air temperatures

SOURCE: Mirovoy meteorologicheskii tsentr. Trudy, no. 9, 1966. Statisticheskiye svoystva meteorologicheskikh poley (Statistical properties of meteorological fields), 3-17

TOPIC TAGS: air temperature, temperature measurement, temperature variation

ABSTRACT: A specific indicator for the anomaly of average monthly air temperatures is proposed. Numerical values for the criterion of anomaly

$$K = \frac{1}{N} \sum_{n=1}^N \frac{A_n^2}{\sigma_n^2} \quad (1)$$

are presented for 1901--1960, A_n being the anomaly and σ_n the dispersion of anomalies in some points distributed over a given area. The data are derived from 40 observation points in the European and Siberian Soviet Union for the months of July and January. The specific values of the covariational matrix, their information value, and the first five eigenvectors have been derived by machine computation and tabu-

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ACC NR: AT6033364

lated or presented in graphical form. The coefficients $A_1, A_2, \dots$ of the natural components in the distribution field are shown to represent field characteristics. The extension of the study and correlation of results for individual months are suggested. Orig. art. has: 7 formulas, 2 tables, and 13 figures.

SUB CODE: 04/ SUBM DATE: none/ ORIG REF: 007

Card 2/2

UMANSKIY, A.A., kand.med.nauk, MYAKISHEVA, N.M.

Metastasis of lung cancer to the skin. Sov.med. 22 no.9:132
S'58 (MIRA 11:11)

1. Iz Kirovogradskoy oblastnoy bol'nitsy (glavnyy vrach G.D. Nazarov).
(LUNG NEOPLASMS, case reports
metastasis to skin (Rus))
(SKIN NEOPLASMS, case reports
metastatic from lungs (Rus))

MYAKISHEVA, N.N.

Experience in forecasting by the complex method. Trudy TSIP no.139:
67-70 '65. (MIRA 18:6)

ZORINA, Z.I.; MYAKISHEVA, O.N.; ROZENTSVEYG, O.M.; BOTOSHANSKIY, M.N.
[Botoshans'kiy, M.N.]

Growth of the pharmaceutical trade in Bukovina. Farmatsev. zhur.
15 no.6:63-66 '60. (MIRA 14:11)

1. Chernovitskoye nauchno-farmatsevticheskoye obshchestvo.
(BUKOVINA--PHARMACY)

S/076/62/036/007/007/010
B101/B138

AUTHORS:

Ielyutin, V. P., Pavlov, Yu. A., Shulepov, V. I., and Myaki-
sheva, T. G.

TITLE:

Electrical resistivity of V_2O_5 , MoO_3 , and WO_3 when heated in
hydrogen atmosphere

PERIODICAL: Zhurnal fizicheskoy khimii, v. 36, no. 7, 1962, 1524 - 1527

TEXT: The initial stage of the reaction of V_2O_5 , MoO_3 , and WO_3 with H_2
was studied by measuring the electrical resistivity (apparatus see Izv.
vyssh. uchebn. zavedeniy, Chernaya metallurgiya, no. 7, 1961). Oxides
sintered in an O_2 flow for 6 hr were used. At all temperatures applied
(200 - 700°C), resistivity was found to diminish in the course of heating.
 $\Delta R/R_{AT}$ for V_2O_5 was 0.002 at 250°C, 0.004 at 300°C, 0.007 at 350°C, 0.016
at 375°C, and 0.027 at 380°C (start of reaction with H_2). For MoO_3 and
 WO_3 , $\Delta R/R_{AT}$ rose slowly at low temperatures, and rapidly near the beginn-

Card 1/2

Electrical resistivity, ...

S/076/62/036/007/007/010
B101/B138

ing of reaction with H_2 ($430^\circ C$ for MoO_3 , $630^\circ C$ for WO_3). The slow rise corresponds to the extrinsic conductivity of the oxides with chemisorbed H_2 reacting as donor with the oxide, while the steep rise of the curve is due to the changeover to intrinsic conductivity. Here, an intense reaction with H_2 starts in the gaseous phase owing to sublimation (dissociation) of the oxide. There are 4 figures and 1 table.

ASSOCIATION: Moskovskiy institut stali (Moscow Steel Institute)

SUBMITTED: March 1, 1960

Card 2/2

MYAKLOVSKIY N.M.

SOLOLOV, I.S.; MYAKLOVSKIY, N.M. (Uzhgorod)

Foreign bodies in the nasal cavity. Fel'd. i akush. no.8:22-23
Ag '54. (MLRA 7:8)

(NASAL CAVITY, foreign bodies
diag. & ther.)
(FOREIGN BODIES
nose, diag. & ther.)

MYAKOKIN, V.S.

Vertical movements of the shore of Lake Baikal. Trudy Okean.kom. 4:
197-204 '59. (MIRA 13:4)

1.Moskovskii gosudarstvennyy universitet.
(Baikal, Lake--Costal changes)

MYAKOKIN, V.S.

Role of vertical movements in the development of the shores of
Lake Baikal. Vop. geog. no.46:72-88 '59. (MIRA 12:12)
(Baikal, Lake--Coast changes)

MYAKOKIN, V.S.

Mangyshlak coast's Khvalynian sea terraces and the problem of studying the recent tectonic movements of the peninsula. Vest. Mosk. univ. 6: Geog. 18 no.2:26-30 Mar-Apr '63, (M.A. 1963)

1. Nauchno-issledovatel'skaya laboratoriya geologicheskikh kriteriyev otsenki perspektiv neftegazonosnosti Glavnogo upravleniya geologii i okhrany neдр pri Sovetskom Ministerstve RSFSR.

(Mangyshlak Peninsula--Terraces (Geology))

(Mangyshlak Peninsula--Geology, Structural)

MYAKOKIN, V.S.; NIKIFOROV, I.G.; SAMSONOV, S.K.

Age and stages of a Post-Khalynian transgression. Okeanologiya
4 no.1:86-97 '64. (MIRA 17:4)

MYAKON'KIKH, V. K.

137-1958-1-118

Translation from: Referativnyy zhurnal Metallurgiya, 1958, Nr 1, p 18 (USSR)

AUTHORS: Myakon'kikh, V. K., Sitevskiy, A. A.

TITLE: Experiences in the Employment of the MPD-4 Washer at the
"Komsomolets" (Opyt ekspluatatsii promyvochnogo pribora
MPD-4 na priiske "Komsomolets")

PERIODICAL: Kolyma, 1957, Nr 5, pp 25-28

ABSTRACT: In the light of the experience of the crew of an MPD-4 washer,
a number of organizational and engineering measures are
suggested to improve work with washers.

A. Sh.

1. Ore washers--Operation 2. Ore--Processing--Equipment

Card 1/1

TYAZHELOV, Vadim Innokent'yevich; SAVEL'YEV, A.G., retsenzent; MAUMOV, M.K., retsenzent; LI, M.V., retsenzent; MASHUKOV, I.P., retsenzent; MYAKON'KIY, A.I., gornyy inzh., retsenzent; KUDRYASHOV, V.A., dotsent, retsenzent; PATRENKO, N.P., red.; SOROKIN, T.I. tekhn.red.

[Working a deposit by open-pit mining in the wintertime] Razrabotka mestorozhdenii otkrytym sposobom v zimniy period. Irkutsk, Irkutskoe knizhnoe izd-vo, 1958. 127 p.

(MIRA 14:5)

1. Gornorudnyy kombinat Irkutskogo sovnarkhoza (for Savel'yev, Maumov, Li, Mashukov, Myakon'kikh, Kudryashov)
(Strip mining--Cold weather conditions)

NOVIKOV, M.M., inzh.; MYAKOSHIN, N.V., inzh.; PAVLOV, k.I.

Vibratory stamping of reinforced concrete structures for thermal electric power plants. Energ.stroi. no.25:35-39 '61. (MIRA 15:4)

1. Dzerzhinskiy KPP tresta "Energostroykonstruktsiya" (for Novikov, Myakoshin). 2. Moskovskiy filial instituta "Orgenergostroy" (for Pavlov).

(Reinforced concrete construction)
(Electric power plants--Desing and construction)

MYAKOSHIN, M.V.

Storing reinforcement steel in storehouses of the Dzerzhinskiy Combine of Industrial Enterprises. Stroi. ind., stroi. mash. i mekh. no.1:34-34 '62.

Preparing precast prestressed bin slabs for 350 heat and electric power plants. Stroi. ind., stroi. mash. i mekh. no.1:35-40 '62.
(MIRA 17:9)

1. Dzerzhinskiy kombinat proizvodstvennykh predpriyatiy.

MYAKOSHIN, N.V., inzh.; NOVIKOV, M.M., inzh.; PAVLOV, K.I., inzh.

Joints of precast reinforced-concrete elements of thermal electric plants. Energ. stroi. no.26:15-22 '61. (MIRA 15:7)

1. Dzerzhinskiy KPP (for Myakoshin, Novikov).
 2. Moskovskiy filial Vsesoyuznogo instituta po proyektirovaniyu organizatsiy energeticheskogo stroitel'stva (for Pavlov).
- (Electric power plants) (Precast concrete construction)

MYAKOSHIN, N.V. (Dzerzhinsk)

Hydraulic outdoor bench for testing crane girders. Stroi. ind.,
stroi. mash. i mekh. no.1:54-58 '62. (MIRA 17:9)

MYAKOTA, K.K.: CHERKASOV, S.P.

Device for tying up pipe piles. Sbor.rats.predl.vnedr.v proizv.
no.1:26 '61. (MIRA 14:7)
1. Pervoural'skiy Novotrubnyy zavod.
(Pipe mills)

YEGOROV, A.S.; MYAKOTA, L.I.; POLUNIN, I.P.; TARANETS, A.M.

Improving the design of ionometers. Trudy UkrNIISP no.5:189-
196 '59. (MIRA 16:11)

YEGOROV, A.S.; MYAKOTA, L.I.

Electrode unit for the remote measurement of pH. Spirt.
prom. 26 no.5:16-17 '60. (MIRA 13:7)
(Hydrogen-ion concentration) (Fermentation)

GRISHAYEV, I.A. [Hryshaiev, I.O.]; KOLOSOV, V.I.; MYAKOTA, V.I.
[Myakota, V.I.]; YAKIMOV, B.V. [IAkymov, B.V.]

Eliminating the effect of a harmful magnetic field component
in a magnetic undulator. Ukr.fiz.zhur. 4 no.6:810-812 N-D '59.
(MIRA 14:10)

1. Fiziko-tekhnicheskii institut AN USSR.
(Magnetic fields) (Magnetic instruments)

68805

9.3260

AUTHORS:

Grishayev, I. A., Kolosov, V. I.,
Myakota, V. I., Beloglazov, V. I.,
Yakimov, B. V.

S/020/60/131/01/016/060
B013/B007

TITLE:

The Experimental Determination of the Power of the Submilli-
meter Range in a Magnetic Undulator

PERIODICAL:

Doklady Akademii nauk SSSR, 1960, Vol 131, Nr 1, pp 61 - 63
(USSR)

ABSTRACT:

The present paper describes the preliminary results obtained by
determining the summational mean power of the electromagnetic
oscillations¹ of the submillimeter range. The power to be de-
termined is emitted by relativistic 17 Mev electrons in a mag-
netic undulator. With an average electron amperage of 4 μ a,
 $\sim 10^{-7}$ w was obtained for the level of the mean power. The pro-
duction of a radiation in the tenth-of-a-millimeter range and
in the submillimeter range is of great practical interest. Such
electromagnetic oscillations can at present be produced only by
means of spark generators and heated bodies. However, the power
levels obtained in this way are very low. The undulatory method
of producing high-frequency oscillations, which is based upon

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The Experimental Determination of the Power of the Submillimeter Range in a Magnetic Undulator S/020/60/131/01/016/060
B013/B007

using the double Doppler-effect of frequency transformation, makes it possible to bridge the entire range of electromagnetic oscillations from 1 mm to visible light. The level of the emitted power may actually be made sufficiently large, even in the case of an incoherent radiation. For the frequency of radiation in a magnetic undulator for the free space $\nu = \nu_0 / [1 - \beta \cos \vartheta]$ holds. Here ν denotes electron velocity, ν_0 - the period of magnetic structure; $\beta = v/c$; ϑ - the angle between the direction of motion and the direction towards the observer. The production of electromagnetic oscillations may, in a sufficiently wide frequency-range, be determined by measuring electron energy (with constant ν_0). The undulator used in the present paper consists of separate electromagnets, in which it was possible to eliminate completely the harmful components of the magnetic field. 90% of the input amperage passed through the entire undulator. With the wave guide dimensions used here, a discrete spectrum of electromagnetic oscillations was obtained because of the difference of the excited oscillations. This spectrum is subdivided into the two principal ranges of 100 to 250 μ and

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The Experimental Determination of the Power of the Submillimeter Range in a Magnetic Undulator S/020/60/131/01/016/060
B013/B007

50 to 67 μ . The main part of the lines produced is in the latter range. At present, measurements of the entire power of radiation of the entire spectrum investigated are being carried out, and preparations are made for recording the spectrum. Figure 1 shows the scheme of the device. The elimination of background is briefly dealt with. The power of electron radiation in the undulator is proportional to H^2 , and therefore $\frac{P(H_1)}{P(H_2)} = \frac{H_1^2}{H_2^2}$ holds. Herefrom and from an other equation it is possible

to calculate the absolute amount of radiation intensity for a given magnetic field. The results obtained by the measurements are given in table 1. The authors thank K. D. Sinel'nikov, Academician of the AS UkrSSR, for the suggested theme, and Ya. B. Faynberg for discussing the results obtained. There are 1 figure, 1 table, and 3 references.

✓

Card 3/4

68805

The Experimental Determination of the Power of the Submillimeter Range in a Magnetic Undulator S/020/60/131/01/016/060
B013/B007

ASSOCIATION: Fiziko-tekhnicheskiy institut Akademii nauk USSR (Institute of Physics and Technology of the Academy of Sciences of the UkrSSR)

PRESENTED: September 16, 1959, by M. A. Leontovich, Academician

SUBMITTED: September 1, 1959

Card 4/4

VITOVSKIY, N.A.; LUKIRSKIY, D.P.; MASHOVETS, T.V.; MYAKOTA, V.I.

Energy spectrum of defects in silicon caused by electron
irradiation. Fiz. tver. tela 4 no.5:1140-1145 My '62.
(MIRA 15:5)

1. Fiziko-tekhnicheskii institut imeni A.F. Ioffe AN
SSSR, Leningrad.

(Silicon crystals--Defects)
(Radiation)

MYAKOTIN, Anatoliy Nikolayevich; SKORUBSKIY, N.I., redaktor; KHUTORSKAYA, Ye.S., redaktor; EVANSON, I.M., tekhnicheskii redaktor

[Analysis of realization of cost plans in mining industries] Analiz vypolneniia plana sebestoimosti v gornodobyvaishchei promyshlennosti. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1955. 215 p. (MLRA 9:3)
(Mining industry and finance)

MYAKOTIN, I. (Krasnoyarsk)

Concerning some definitions of Soviet trade. Sov.torg. 33
no.3:50 Mr '60. (MIRA 13:6)
(Commerce)

GORBANENKO, A.D., kand.tekhn.nauk; TSIRUL'NIKOV, L.M., inzh.; CHUPROV, V.V., inzh.;
GVOZDETSKIY, L.A., inzh.; KRASNOSELOV, G.K., inzh.; MYAKOTINA, A.Z., inzh.

Burning of liquid fuels in combustion chamber. Teploenergetika 10
no.4:44-49 Ap '63. (MIRA 16:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy teplotekhnicheskiy institut
i Bashkirenergo.

(Boilers)

(Furnaces)

USSR / Forestry. Forest Economy.

K

Abs Jour ; Ref Zhur - Biologiya, No 22, 1958, No. 100165

Author : Myakotina, G. V.

Inst : Not given

Title : Methods of Preparing the Soil on Completely Cleared Areas to Facilitate Natural Reproduction

Orig Pub : Lesn. kh-vo, 1956, No 11, 75-79

Abstract : On completely cleared areas in dry pine forests, pine-bilberry forests, and forests of the whortleberry and club moss types (Leningrad oblast'), natural reproduction proceeds with great difficulty. Investigations of completely cleared areas in the Luga, Tikhvin, Ordezh, Siversk, and Lisinsk forest economies have established that surface loosening of the soil has a positive effect on self-seeding when the cover is sparse and there is

Card 1/2

Country : USSR
Category: Forestry. Forest Biology and Typology

Abs Jour: RZhBiol., No 11, 1958, No 48711

Author : Myakotina, G.V.

Inst : -

Title : The Store of Cone Seeds in the Soil.

Orig Pub: Vestn. s.-kh. nauki, 1957, No 5, 112-115

Abstract: A calculation of the reserves of pine and spruce seeds and determination of their quality were carried out on the clear cuttings at the Mashinskaya Pacha of Lisen leskhoz. It was found that the amount of seeds on 1 m² is quite sufficient for reproduction which, however, proceeds unsatisfactorily because of the poor quality of the seeds. The quality of the seeds depends on the length of time they were lying

Card : 1/2

K-7

MYAKOTINA, G. V., Cand Agr Sci -- (diss) "Research into various methods of soil treatment for assistance in reforestation under the condition of clean cuttings in the Siberian forest zone. (From the example of the Leningrad Oblast')." Leningrad, 1960. 13 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Leningrad Order of Lenin Forestry Engineering Academy im S. M. Kirov); 200 copies; free; (KL, 50-6C) 135

SAVCHENKO, A.M., nauchnyy sotrudnik; BUTKUTE, A.P., nauchnyy sotrudnik;
MYKOTINA, G.V., nauchnyy sotrudnik

Natural regeneration and measures for its promotion in
herbaceous-type forests in Krasnoyarsk Territory. Trudy
VSNIPILesdrev no.8:49-55 '63. (MIRA 18-11)

LENSKIY, V.M. (Sverdlovsk 14, ul. Sheynkmana, d. 32, kv. 89); MYAKOTINA, L.I.

Some biochemical indices of the effectiveness of the posterior
arthroereisis operation of the talocrural joint. Ortop., travm.
i protez. 27 no. 1241-44 Ja '66 (MIRA 19:1)

1. Iz Sverdlovskogo instituta travmatologii i ortopedii (direktor -
kand. med. nauk Z.P. Lubagina). Submitted April 19, 1965.

USSR/Cultivated Plants - Fodders.

M

Abs Jour : Ref Zhur Biol., No 18, 1958, 32390

Author : Myakotina, Ye.A.

Inst : Tadjik Scientific Research Institute of Agriculture

Title : Selection of Alfalfa

Orig Pub : Byul. nauchno-tekhn. inform. Tadzh. n.-i. in-t zemled.,
1957, No 1, 25-27

Abstract : From the alfalfa specimens tested during 1948-1956, the most promising for the future are: Hybrid 1 grown by means of the free pollination of Tashkentskaya 721 variety with the local varieties and with the varieties of other regions, and Kangurtskaya 1125 separated by means of group selections from wild growing forms. The yield of green bulk from the first variety comprised 37.1 centners/ha - 57.3 more and of hay 22.2 centners/ha more in

Card 1/2

- 60 -

ROSTOVSKIY, V.S.; MYAKOTKIN, Yu.I.

Continuous action KNA-600 potato peeler. Kons. 1 ov. prom. 13
no.8:14-17 Ag '58. (MIRA 11:9)

1. Khar'kovskiy institut sovetskoy trgovli (for Rostovskiy).
2. Khar'kovskiy zavod trgovogo mashinostroyeniya (for Myakotkin).
(Potatoes)
(Canning and preserving--Equipment and supplies)

BROMBERG, B.Z.; TRIL'Y, Yu.B.; MYAKOTEN, Yu.I.

705 sections and above. See page 8 no. 21222, 1, 2

(1992, 1993)

MYAKOV, K.M., inzhener (Glavuralpromstroy); POCHAREV, F.K., inzhener (Sevuraltyazh-stroy); MAKARICHEV, V.V., kandidat tekhnicheskikh nauk; KRIVITSKIY, M.Ya., kandidat tekhnicheskikh nauk (TsNIPS).

"KAP" large panel reinforced gas concrete slabs for covering industrial buildings. Stroiprom. vol. 31 no.9:8-11 S '53. (MLR 6:9)
(Precast concrete construction)

MYAKOV, M. M.

Change the procedure for planning internal working capital in
trade. Fin. SSSR 19 no.9:51-53 S '58. (MIRA 11:10)

1. Zamestitel' nachal'nika otdela finansirovaniya trgovli
Ministerstva finansov RSFSR.
(Russia--Commerce--Finance)

USATOV, I.A., kand. ekon. nauk; GUBIN, B.V., kand. ekon. nauk; SMIRNOV, A.D., dots.; LAPTEV, Ye.N.; MOZHIN, V.P., kand.ekon.nauk; GUMEROV, R.M.; KORYUNOV, S.N.; PSHENICHNYY, P.P.; MYAKOV, H.M.; FILATOV, N.L.; FILIPPOVA, E., red. izd-va; LEBEDEV, A., tekhn. red.

[Economics and finance of socialist enterprises] *Ekonomika i finansy sotsialisticheskikh predpriyatii*. Moskva, Gosfinizdat, 1962. 404 p. (MIRA 15:9)
(Industrial management) (Finance)

RAZUVAYEV, G.A.; ZATEYEV, B.G.; ~~MYAKOV~~, V.N.

Possibility of isomerization of a phenyl radical in free radical reactions of diphenylmercury. Dokl. AN SSSR 154 no.1:164-165 Ja'64.
(MIRA 17:2)

1. Nauchno-issledovatel'skiy institut khimii pri Gor'kovskom gosudarstvennom universitete im. N.I. Lobachevskogo. 2. Chlen-korrespondent AN SSSR (for Razuwayev).

MYAKOVA, S. I., Cand Tech Sci -- (diss) "Electric braking of hydrogenerators with the purpose of securing the possibility of three-phase automatic switching-on of self-contained line." Leningrad, 1960. 15 pp; (Ministry of higher and Secondary Specialist Education - P. R., Leningrad; Electrical Engineering Inst im V. I. Ul'yanov (Lenin)), 200 copies; price not given; bibliography on pp 14-15; (KL, 21-60, 125)

MYAKSHEVA, A.

They are helping explorers of the future. NTO 3 no.3:51 Mr.'61.

(MIRA 14:3)

1. Zamestitel' predsedatelya Penzenskogo oblastnogo pravleniya
Nauchno-tekhnicheskogo obshchestva mashinostroitel'noy promyshlennosti.
(Penza—Machinery industry)

MYAKSHEVA, A.

They fulfill their pledges. NTO 3 no.9:27 S '61. (MIRA 14:8)

1. Zamestitel' predsedatelya oblastnogo pravleniya Nauchno-
tekhnicheskogo obshchestva Penzenskoy oblasti.
(Penza Province--Machinery industry)

ACC NR: AP7002847

SOURCE CODE: UR/0136/66/000/012/0088/0089

AUTHOR: Krivonosov, Yu. I.; Dolzhenkov, F. Ye.; Myakshin, O.A.; Zakharov, L.A.

ORG: none

TITLE: Cladding of steel with niobium by vacuum rolling

SOURCE: Tsvetnyye metally, no. 12, 1966, 88-89

TOPIC TAGS: metal cladding, niobium clad steel, clad steel production

ABSTRACT:

Niobium-clad steel sheets were produced by rolling packs consisting of a St. 3 steel plate (9—12 mm thick) and a VH-2 niobium sheet (2 mm thick) in a vacuum ($4 \cdot 10^{-5}$ mm Hg) mill equipped with steel rolls, 166 mm in diameter, at 900—1200C with per pass reductions of 10—40%. The width of packs was 50 mm and the length was 140 mm. It was found that the strength of the bond between the clad and base metals increased with increasing rolling temperature. The shear strength was 100 Mn/m² (10 kg/mm²) after 30% reduction at 900—1000C, and after the same reduction at 1100—1200 it was 210—230 Mn/m² (21—23 kg/mm²). The bond strength also increased with

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UDC: 669.293.14-419

ACC NR: AP7002847

increasing per pass reduction. After 10% reduction at 1100C it did not exceed 100 Mn/m^2 (10 kg/mm^2), and after 30—40% reduction it reached 250 Mn/m^2 (25 kg/mm^2). However, high per pass reduction leads to a non-uniform deformation of the layers. Therefore, to ensure a reliable bond and more uniform deformation, it is advisable to roll at 1100—1200C, with 10—15% reduction per pass and 30—40% total reduction. [TD]

SUB CODE: 13, 11/ SUBM DATE: none/ ATD PRESS: 5113

Card 2/2

MYAKSHIN, Vladimir Nikolayevich; KNYAZEVSKIY, P., redaktor; IOAKIMIS, A.,
tekhnicheskiiy redaktor

[Soundproofing of buildings] Zvukoizoliatsiia stroitel'nykh kon-
struktsii. Kiev, Gos. izd-vo lit-ry po stroit. i arkhitekture
USSR, 1956. 109 p. (MIRA 9:8)
(Soundproofing)

MYAKSHIN, V.

MYAKSHIN, V., inzhener.

The use of cane slabs and plaster board in building for soundproofing.
Gor. 1 sel'.stroi. no.6:20-21 Je '57. (MIRA 10:10)
(Acoustical materials)

MYA. 1981. 11. 11. inzh. (Eiyev)

Using reedwork panels in soundproofing ceilings. Stroil. mat. 4
no. 6:33 Je '68. (MIRA 11:7)

(Soundproofing)
(Reed(Botany))

MYAKSHIN, V.

Scientific and technological seminars for the suppression of
operating noise. Akust. zhur. 7 no.4:507 '61.

(MIRA 14:10)

(Noise control)

M^YAKSHIN, V. [M^Yakshyn, V.], inzh.

Soundproof elements for the auditorium of the Sports Palace in
Kiev. Bud. mat. i konstr. 4 no.3:25-27 My-Je '62. (MIRA 15:5)
(Kiev--Auditoriums--Soundproofing)

MYAKSHIN, V.N.

Noise abatement in shops producing synthetic fibers. Prom.
stoi. 40 no.3:26-28 '62. (MIRA 15:3)
(Noise control) (Textile fibers, Synthetic)

MYAKSHIN, Vladimir Nikolayevich; VOLOSHCHENKO, Z.N., red.;
LEUSHCHENKO, N.L., tekhn. red.

[Soundproofing building elements (with local materials)]
Zvukoizoliatsiia stroitel'nykh konstruktsii; iz mestnykh
materialov. Kiev, Gosstroizdat USSR, 1963. 95 p.
(MIRA 17:3)

$\text{HSD-2}/\text{HSD}(4)/\text{HSD-3}/\text{HSD-2}$ $\text{P}_{\text{HSD-3}}/\text{P}_{\text{HSD-4}}$ $\text{HSD}(1)/\text{HSD}(2)/\text{HSD}(3)/\text{HSD}(4)$

THE UNIVERSITY OF CHICAGO PRESS

U/0000/04/0000/010/H003/H005

WFOC, Box 24, Tuxedo, Ark. 72454

THE UNIVERSITY OF CHICAGO PRESS

TITLE: Influence of the asymmetry of the frequency characteristic of the circuit on the distortion of a frequency modulated signal

CITED SOURCE: Tr. uchebn. in-tov svyazi. M-vo svyazy SSSR, vyp. 19, 1964, 64-73

TOPIC TAGS: fm signal, modulation, distortion, Fourier coefficient

TRANSLATION: Passage of frequency modulated oscillations $u = \sin(\omega_0 t + m \sin \tau)$ through a linear circuit produces an oscillation whose instantaneous frequency can be represented by a Fourier series. Comparatively simple formulas are given for the calculation of the coefficients of this series for low modulation indices, with account of the asymmetry of the characteristic of the circuit relative to the signal carrier frequency.

Card 1/2

L 16692-65

ACCESSION NR: AR5000804

It is possible to readily estimate with these formulas the frequency and nonlinear distortion of the frequency modulation.

SUB CODE: EC

ENCL: 00

Card 2/2

L 42107-65 EPF(c)/EWI(m)/T Pr-4 WE
ACCESSION NR: AT5008634

S/2933/64/007/004/0200/0204

AUTHORS: Gikht, B. M.; Oryazev, N. N.; Karyakin, V. Ya.; Larinov, I. V.;
Myakushina, S. M.; Perfilova, V. P.; Orlov, S. I.; Shchitkov, V. K.

28

27

B+1

TITLE: Dependence of adsorptive catalytic desulfurization of diesel fuel on a catalyst surface

SOURCE: AN SSSR. Bashkirskiy filial. Khimiya sersorganicheskikh sovedineniy, sodernhashchikhaya v neftyskh i nefteproduktakh, v. 7, 1964, 200-204

TOPIC TAGS: desulfurization, catalyst, adsorption, diesel fuel, surface active agent, sulfur, hydrocarbon/ silica gel, XSM silica gel

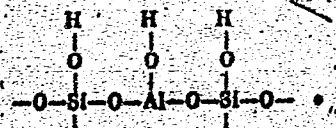
ABSTRACT: The relative activities of various catalytic agents and adsorbents in adsorptive-catalytic purification of diesel fuels from organic sulfur compounds were studied experimentally. The specific adsorption surfaces and their pore sizes were determined by the adsorption isotherms of various hydrocarbons and organic acids. The adsorbent-catalysts were mostly alumosilicates, an alumogel, a silica gel, and bauxite. For synthetic as well as natural alumosilicates, the specific desulfurization rate remained constant. The specific activity of bauxite was high, but that of the alumogel and the silica gel were low. It was shown that

Card 1/2

L 42107-65

ACCRSTION NR: AT5008634

the major role played by the aluminosilicate catalysts in diesel fuel desulfurization could be attributed to the complex



During desulfurization, coke and other organic sulfur compounds were deposited on the surface of the catalyst and reduced the effective catalytic area. This requires special regeneration of the contaminated surfaces. Orig. art. has: 2 tables, 1 figure, and 1 formula.

ASSOCIATION: Saratovskiy politekhnicheskii institut, Saratovskiy naftepерерабатыvayushchiy zavod im. S. M. Kirova (Saratov Polytechnic Institute, Saratov Petroleum Refining Plant)

SUBMITTED: 00

EXCL: 00

SUB CODE: 00, 77

NO REF 00V: 013

OTHER: 000

Card 2/2 CC

MYAKUSHKO, I.T., inzh.

We shall fulfill the yearly assignment ahead of time. Put' i put.
khoz. 7 no.5:13 '63. (MIRA 16:7)

1. Zamestitel' nachal'nika Darnitskoy distantzii Yugo-Zapadnoy
dorogi.

(Railroads—Labor productivity)

SOLODOVNIKOV, S.A.; GOLOMOVZYUK, I.K.; MYAKUSHKO, I.T.

Welding railroad rails in the track with a mobile rail
welding machine. Avtom. svar. 17 no.4:63-66 Ap '64
(MIRA 18:1)

1. Institut elektrosvarki imeni Ye.O. Patona AN UkrSSR (for
Solodovnikov, Golomovzyuk). 2. Darnitskaya distantiya puti
Yugo-Zapadnoy zheleznoy dorogi (for Myakushko).